

IN THE CLAIMS

Please amend the claims as follows:

Claim 1 (Currently Amended): An image recording apparatus comprising:

priority presetting means for prioritizing overlapping preset programs for unattended recording;

information storing means for storing recording preset information ~~constituted by~~ including a recording start time, ~~[[and]]~~ a recording end time, and a priority setting of the priority presetting means of each of preset programs for unattended recording, and ~~[[by]]~~ a program input route through which to input each of said preset programs;

overlap judging means for judging whether any of said preset programs for unattended recording overlap between the recording start times and the recording end times of the programs; and

overlap warning means for warning of any overlapping preset programs that are judged to exist and for prompting a user to reset corresponding priorities of preset programs of the judged overlap[[; and]].

~~priority presetting means for prioritizing the overlapping preset programs for unattended recording.~~

Claim 2 (Withdrawn): An image recording apparatus comprising:

information storing means for storing recording present information constituted by a recording start time and a recording end time of each of preset programs for unattended recording, a program input route through which to input each of said preset programs, and an image recording quality;

overlap judging means for judging whether any of said present programs for unattended recording overlap between the recording start times and the recording end times of the programs;

simultaneously recording judging means for judging whether the overlapping preset programs can be recorded simultaneously;

overlap warning means for giving a warning if any of said overlapping preset programs are not judged to be simultaneously recordable; and

priority presetting means for prioritizing said overlapping preset programs for unattended recordings.

Claim 3 (Withdrawn): An image recording apparatus comprising:

information storing means for storing recording preset information constituted by a recording start time and a recording end time of each of preset programs for unattended recording, a program input route through which to input each of said preset programs, and an image recording quality;

overlap judging means for judging whether any of said preset programs for unattended recording overlap between the recording start times and the recording end times of the programs;

determining means for determining whether the overlapping preset programs belong to a single compression-coded transport stream;

simultaneously recording judging means for judging whether said overlapping preset programs can be recorded simultaneously based on what is determined by said determining means;

overlap warning means for giving a warning if any of said overlapping preset programs are not judged to be simultaneously recordable; and

priority presetting means for prioritizing said overlapping preset programs for unattended recording.

Claim 4 (Withdrawn): An image recording apparatus comprising:

information storing means for storing recording preset information constituted by a recording start time and a recording end time of each of preset programs for unattended recording, a program input route through which to input each of said preset programs, and an image recording quality;

overlap judging means for judging whether any of said preset programs for unattended recording overlap between the recording start times and the recording end times of the programs;

simultaneously recording judging means for judging whether the overlapping preset programs can be recorded simultaneously;

overlap warning means for giving a warning if any of said overlapping preset programs are not judged to be simultaneously recordable;

priority presetting means for prioritizing said overlapping preset programs for unattended recording;

multiplex recording means for multiplexing a plurality of programs into a single compression-coded transport stream for unattended recording; and

controlling means for controlling recording rates of said multiplex recording means during unattended recording in accordance with how said overlapping preset programs are prioritized by said priority presetting means.

Claim 5 (Currently Amended): An image recording method comprising the steps of:  
prioritizing overlapping preset programs for unattended recording;  
storing recording preset information ~~constituted by~~ including a recording start time,  
[[and]] a recording end time, and a priority setting of each of preset programs for unattended  
recording, and [[by]] a program input route through which to input each of said preset  
programs;  
judging whether any of said preset programs for unattended recording overlap  
between the recording start times and the recording end times of the programs;  
warning of any overlapping preset programs that are judged to exist;  
prompting a user to reset corresponding priorities of preset programs of the judged  
overlap[[; and]].  
~~prioritizing the overlapping preset programs for unattended recording.~~

Claim 6 (Withdrawn): An image recording method comprising the steps of:  
storing recording preset information constituted by a recording start time and a  
recording end time of each of preset programs for unattended recording, a program input  
route through which to input each of said preset programs, and an image recording quality;  
judging whether any of said preset programs for unattended recording overlap  
between the recording start times and the recording end times of the programs;  
judging whether the overlapping preset programs can be recorded simultaneously;  
giving a warning if any of said overlapping preset programs are not judged to be  
simultaneously recordable; and  
prioritizing said overlapping preset programs for unattended recording.

Claim 7 (Withdrawn): An image recording method comprising the steps of:

storing recording preset information constituted by a recording start time and a recording end time of each of preset programs for unattended recording, a program input route through which to input each of said preset programs, and an image recording quality;

judging whether any of said preset programs for unattended recording overlap between the recording start times and the recording end times of the programs;

determining whether the overlapping preset programs belong to a single compression-coded transport stream;

judging whether said overlapping preset programs can be recorded simultaneously based on what is determined in said determining step;

giving a warning if any of said overlapping preset programs are not judged to be simultaneously recordable; and

prioritizing said overlapping preset programs for unattended recording.

Claim 8 (Withdrawn): An image recording method comprising the steps of:

storing recording preset information constituted by a recording start time and a recording end time of each of preset programs for unattended recording, a program input route through which to input each of said preset programs, and an image recording quality;

judging whether any of said preset programs for unattended recording overlap between the recording start times and the recording end times of the programs;

judging whether the overlapping preset programs can be recorded simultaneously;

giving a warning if any of said overlapping preset programs are not judged to be simultaneously recordable;

prioritizing said overlapping preset programs for unattended recording; and

changing rates of program recording in accordance with how said overlapping preset programs are prioritized, so that said overlapping preset programs are multiplexed into a single compression-coded transport stream for unattended recording.

Claim 9 (Currently Amended): A storage medium which stores a program in a manner readable by a computer, said program comprising the steps of:

prioritizing overlapping preset programs for unattended recording;

storing recording preset information ~~constituted by~~ including a recording start time, [[and]] a recording end time, and a priority setting of each of preset programs for unattended recording, and [[by]] a program input route through which to input each of said preset programs;

judging whether any of said preset programs for unattended recording overlap between the recording start times and the recording end times of the programs;

warning of any overlapping preset programs that are judged to exist;

prompting a user to reset corresponding priorities of preset programs of the judged overlap[[; and]].

~~prioritizing the overlapping preset programs for unattended recording.~~

Claim 10 (Withdrawn): A storage medium which stores a program in a manner readable by a computer, said program comprising the steps of:

storing recording preset information constituted by a recording start time and a recording end time of each of preset programs for unattended recording, a program input route through which to input each of said preset programs, and an image recording quality;

judging whether any of said preset programs for unattended recording overlap between the recording start times and the recording end times of the programs;

judging whether the overlapping preset programs can be recorded simultaneously;

giving a warning if any of said overlapping preset programs are not judged to be simultaneously recordable; and

prioritizing said overlapping preset programs for unattended recordings.

Claim 11 (Withdrawn): A storage medium which stores a program in a manner readable by a computer, said program comprising the steps of:

storing recording preset information constituted by a recording start time and a recording end time of each of preset programs for unattended recording, a program input route through which to input each of said preset programs, and an image recording quality;

judging whether any of said preset programs for unattended recording overlap between the recording start times and the recording end times of the programs;

determining whether the overlapping preset programs belong to a single compression-coded transport stream;

judging whether said overlapping preset programs can be recorded simultaneously based on what is determined in said determining step;

giving a warning if any of said overlapping preset programs are not judged to be simultaneously recordable; and

prioritizing said overlapping preset programs for unattended recording.

Claim 12 (Withdrawn): A storage medium which stores a program in a manner readable by a computer, said program comprising the steps of:

storing recording preset information constituted by a recording start time and a recording end time of each of preset programs for unattended recording, a program input route through which to input each of said preset programs, and an image recording quality;

judging whether any of said preset programs for unattended recording overlap between the recording start times and the recording end times of the programs;

judging whether the overlapping preset programs can be recorded simultaneously;

giving a warning if any of said overlapping preset programs are not judged to be simultaneously recordable;

prioritizing said overlapping preset programs for unattended recording; and

changing rates of program recording in accordance with how said overlapping preset programs are prioritized, so that said overlapping preset programs are multiplexed into a single compression-coded transport stream for unattended recording.